



# The Effects of Machine Design Decisions on Production

Exploring how design choices impact efficiency, quality, and profitability in tortilla production.



Have you ever wondered how a single design decision – just one – can turn into a million-dollar difference in production?



Every curve, every motion, every screws tells you a story, behind those stories there is a decision effects efficiency, energy bills and even taste of final product.



**DAMS**

**Key Components of the Tortilla Production Line**

- 1. Loader & Feeder
- 2. Intermediate Processing System
- 3. Series Extruder/Roller Press
- 4. Oven Design
- 5. Integrated Design Approach

This tool can save you a lot of money. This is important information in your design.

# Have you ever wondered how a single design decision – just one – can turn into a million-dollar difference in production?



In the tortilla industry, machine design decisions are crucial and can greatly affect efficiency, energy consumption, and product quality. These choices, often invisible at first glance, can lead to significant differences in production performance and cost effectiveness.

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**Continuity**



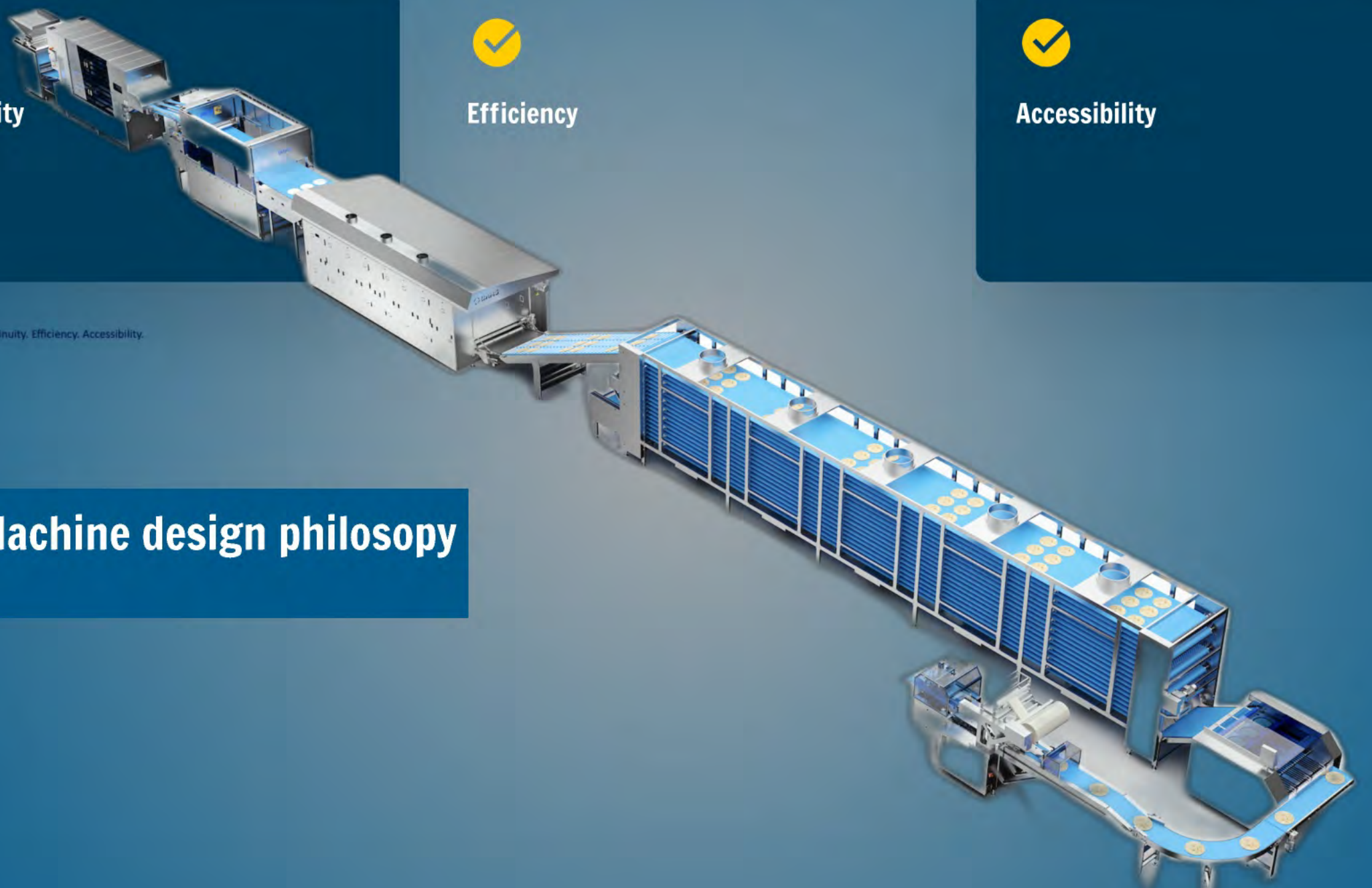
**Efficiency**



**Accessibility**

Continuity. Efficiency. Accessibility.

# DAMS Machine design philosophy



Less Downtime

Lower Energy Bills

Happier Operators





# Customer Experience with Production Line

Transformative  
Results with DAMS



# Transformative Results with DAMS







# Key Components of the Tortilla Production Line



Divider & Rounder



Intermediate Proofing System



Servo-Driven Motion Press



Oven Design



Integrated Design Approach

# Divider & Rounder: The Heart of the Line

The divider rounder unit is crucial for maintaining the efficiency and quality of tortilla production. Any small imbalance in this unit can have cascading effects on the entire production process, making it vital for superior engineering and design.





# The Intermediate Proofing to Press Feeding System - DAMS's Signature



# The Intermediate Proofing to Press Feeding System - DAMS's Signature

At DAMS, we prioritize a controlled feeding approach for our dough, ensuring it enters the press consistently without positional changes. This seemingly minor design decision significantly reduces waste, maintains dough integrity, and enhances precision, leading to superior production outcomes.



## 8 Servo-Controlled Motion Press - Only Available at DAMS in Turkiye

The Motion Press system at DAMS epitomizes engineering excellence, functioning as the brain of the tortilla production line. This fully servo-controlled technology, powered by eight servo motors, ensures consistent pressure stability and precise calibration, even at high operational speeds, enabling seamless production flow and superior product quality.



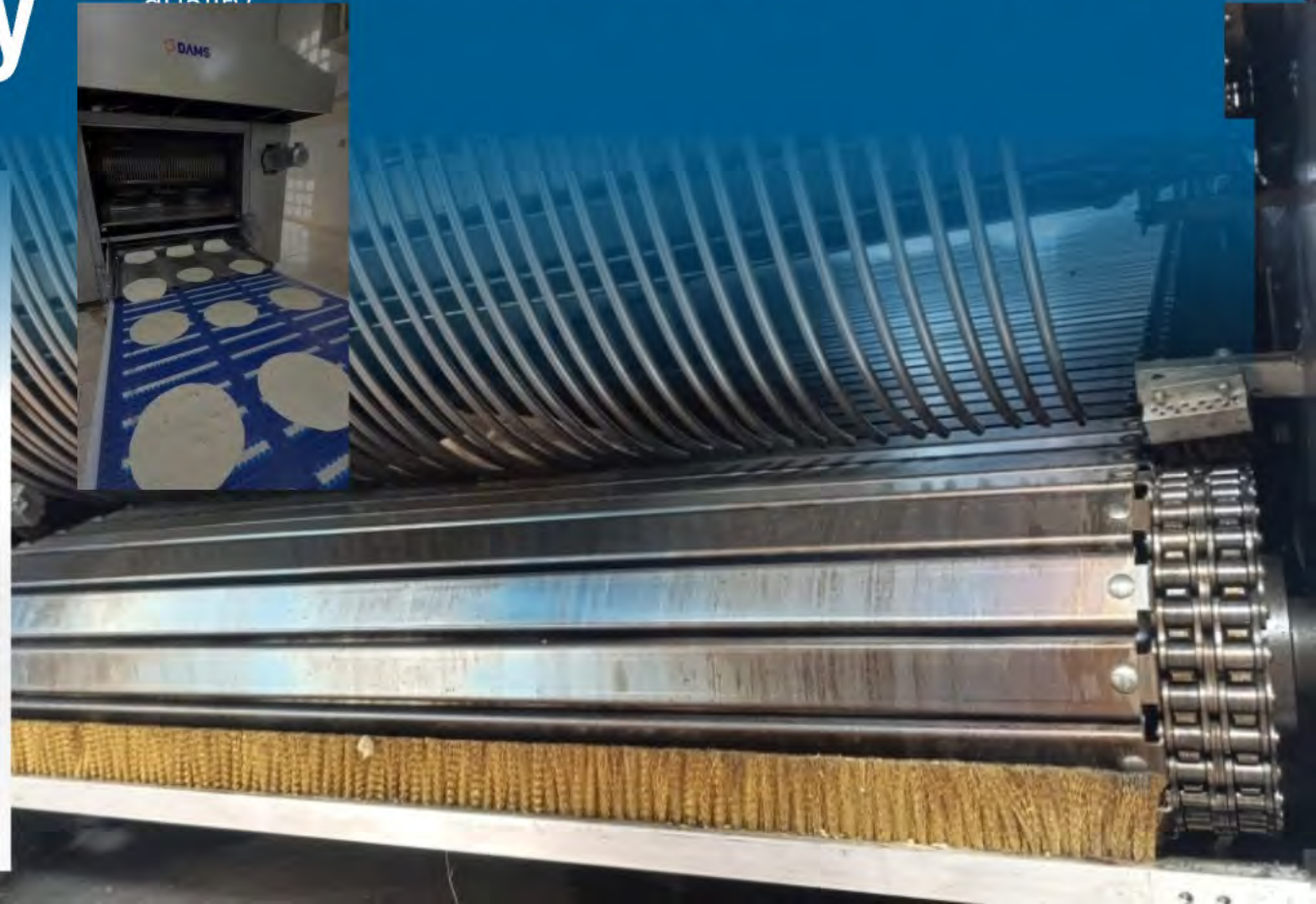


This not just  
automation.

This is  
engineering  
intelligence in  
motion

# Oven Design: Balancing Energy and Quality

At DAMS, our ovens feature 80 mm of thermal insulation, significantly reducing energy loss and maintaining optimal cooking conditions. With PID-controlled heat management, every tortilla is cooked evenly, ensuring consistent color and texture, which enhances both energy efficiency and product quality.



# Quality

MACHINE



# Integrated Design Approach: Building with One Mindset

At DAMS Makina, we take pride in our integrated design approach, crafting every component of the tortilla production line in-house. This strategy eliminates mismatched systems and integration problems, ensuring streamlined functionality and accountability when challenges arise.





Tortilla



**At DAMS Makina, we  
don't just build machines.**

We build trust — one decision,  
one design, one line at a time.  
Because we build long-term  
trust, not short-term profit.



**THANK YOU**

DAMS Machine  
Gülden Sabırlıoğlu



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